

ABSTRACT

The invention relates to an implantable electromechanical converter for receiving oscillations from an ear ossicle and for converting them into an electrical voltage, for use as a microphone for a cochlea implant or an implantable hearing aid, consisting of one or more piezoelectric converter elements (11) housed in a hermetically sealed hollow body (2) made of a biocompatible material. The converter is **characterized in** that the hollow body has a thin shell (9) which is connected with its interior side to the piezoelectric converter elements and which can be coupled with its exterior side to an ear ossicle, and which is held by a stable edge (10), whereby the stable edge can be coupled to a counter-support in the middle ear space.